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(54) Title: POLYMER DISPERSION COMPRISING SILICON COMPOUNDS

(57) Abstract: The present invention relates to a polymer dispersion wherein the components of a physical mixture comprising (i) at least one unsaturated silane of the general formula (I):  $[H_2C=CX(Y)_n]Si(CH_3)_p(R)_{3-p}$  in which X is a hydrogen atom or a methyl group, Y is a divalent group selected from  $-CH_2-$  and  $-C(O)O-(CH_2)_3-$ , n is 0 or 1, R is an alkoxy group selected from methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, and 2-methoxyethoxy, and p is 0 or 1, and (ii) at least one organosilane of the general formula (II):  $R^1Si(CH_3)_q(R^2)_{3-q}$  in which  $R^1$  is a linear, branched or cyclic alkyl group having 1 to 18 carbon atoms or is an aryl group or is a polyether group,  $R^2$  is an alkoxy group selected from methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy and 2-methoxyethoxy, and q is 0 or 1, and/or at least one silicic ester of the general formula (III):  $Si(R^3)_4$ , in which groups  $R^3$  are identical or different and  $R^3$  is an alkoxy group selected from methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy and isobutoxy, are incorporated into the framework of the polymer, a process for preparing such a polymer dispersion, and its use.



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